Orchidaceae

IX.

Begonnen am 1 Juli 1929.

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Orchidaceae coll. by Mig. Bang. 448.

Trochilus linearis R. Br. (2913)

Cranichis ciliata Kth.

Eulophia maculata Reichb. f. in Walp. Ann. VI, (1861) 647.

Stenhopea eburnea. Lindl. Reichb. f. in Walp. Ann. VI, (1861), 584.

Houlletia odoratissima Reichb. f. in Walp. Ann. VI, (1861) 616.

Pelexia sp. (?)

Prescottia sp. (2439) et (no data)

Trichopilia fragrans Reichb. f. in Walp. Ann. VI, (1861) 680.

Aganisia boliviensis Rolfe sp. nov. - Densely tufted. Leav. petiolate, lanceol. acuminate, 3-nerved, 4-7 in. lg. 1/2-1 in. br. petiol. 1-3 in. lg. Scapes erect, 1,25-1,5 ft. high, racem. 2.5-3,5 in. lg. about 8-12-flowered. bracts spreading, lanceol. acute 2-3,5 lin. lg. Pedicels 6-7 lin. lg. Sep. ovate-obl. obtuse 5-6 lin. lg. the lateral rather broader than the dorsal. Pet. rather shorter than the dorsal sep. but otherwise similar. Lip shortly stalked, pandurately 3-lobed 4-5 lin. lg. side-lobes suborbicular 1,5 lin. lg. front lobe short & obtuse, prolonged laterally into a pair of rounded lobes scarcely smaller than the side lobes. Disc bearing an erect bilobed callus about the centre. Col. broad 1,5 lin. lg. with broad membranous entire wings. - (2909)

Allied to the Peruvian A. ionoptera Lind. & Rchb. but distinctly different in the shape of the lips.

Pterichis Bangii Rolfe sp. nov. - Leav. lin.-oblg. subobtuse narrowed about the middle into a long petiole, nearly as lg. as the blade which latter measures about 2.5 in. lg. by 5-6 lin. broad. Scapes erect 6-12 in. lg. bearing 2-4 long narrow sheaths pubescent or almost velvety. Racem. 2-3 in. lg. and rather lax velvety, bracts ovate or ovate-lanceol. acute velvety 3-5. lin. lg. Dorsal sep. ovate lanceol. acute united with the pet. into an erect hood about 3 lin. lg., later. sep. lanceol. acumin. 3 lin. lg. Pet. obl. lanceol. acute. Lip broadly reniform-orbicular concave, obscurely 3-lobed, 4 lin. br. somewhat velvety & bearing several prominent radiating veins, side lobes broadly rounded, front lobe small, triangular apiculate & somewhat fleshy. Column br. 1 lin. lg. - (2912)

Allied to Pterich. Mandoni (Aracea Mandoni Rchb.) but markedly different in the details of the lip.

449. Stenoptera longifolia Rolfe nov. sp. - Leav. oblg-lanceol. subacute with a lg. attenuate narrow base. 1 ft or more lg. 10-13 lin. br. scape tall (base not seen) raceme elongate, rather dense 6 in. lg. pubescent. bracts ovate or ovate lanceol. acute united with the petals into an erect hood about 3 lin. lg. later. sep. lanceol. 3 lin. lg. Pet. obl. lanceol. acute. Lip broadly reniform-orbicular, concave obscurely 3-lobed, 4 lin. br. somewhat velvety & bearing several prominent radiating veins, side lobes broadly rounded, front lobe small triangular apiculate & somewhat fleshy. Column broad 1 lin. lg. (2912)

Allied to Pterichis Mandoni

ovate-lanceol. acuminate-pubescent 5-7 lin. lg. Pedicels pubescent, 4-6 lin. lg. Sep. very shortly connate at the base, elliptical-obl. apiculate pubescent 3 lin. lg. Pet. linear much narrower than the sep. but nearly as lg. Lip cucullate broadly elliptical, apiculate, obscurely keeled behind, 2.5 lin. lg. Column clavate 1.5 lin. lg. (1920)

Remarkable for its much elongated leaves by which it is readily separated from S. acuta Lindl. the other Bolivian species.

Pleurothallis trialata Rolfe n. sp. - Stems stout, 4 in. lg. bearing a tubular obl. sheath with a free acute apex below the middle. Leaf sessile obl. or lanceol.-obl. apiculate, 4-4.5 in. lg. 1-1.25 in. br. Scape 7-8 in. lg. raceme lax about 12-flowered. Bracts conduplicate, ovate shortly acuminate 4-6 lin. lg. Flowers not or scarcely exceeding the bracts. Sep. narrow with a broader base & a very strong dorsal wing 5 lin. lg. Pet. obl. apiculate 2 lin. lg. Lip deltoid-obl. apiculate canaliculate at the base clavate, strongly winged. 2 lin. lg. (1816a p.p.)

A remarkable spec. allied to P. crocodilanthe Rchb. but the leav. narrower & less coriaceous, the spike more lax, the bracts larger & the sep. strongly winged, besides the differently shaped pet. & lip. The flowers may not be fully developed as the forwardest was only beginning to expand when the specimen was dried.

Pleuroth. cordata Lindl. Reichb. f. in Walp. Ann. VI, (1861) 179.- Coripata (2151)

Pleuroth. sp. (2564)

Pleuroth. sp. (2240)

Pleurothallis Brittoni Rolfe n. sp. – Stems obscurely angled, moderately slender, 2–3 in. lg. Leaves obl. or elliptical-obl. subobtuse, somewhat attenuate at base, 1.75–2.5 in. lg. 6–8 lin. br. Scapes 3–5 in lg. about 8–10-flowered, bracts 2 lin. lg. tubular with a short acuminate apex, pedicels 3 lin. lg. Sep. lin.-lanceol. somewhat attenuate towards apex & subobtuse 5–6 lin. lg. Pet. subspathulate-obl. obtuse. 2.5 lin. lg. 1-nerved. Lip elliptical-obl. subobtuse, 2. lin. lg. 3-nerved from base to near apex where the nerves anastomose. Column clavate 1.5 lin. lg.

450. A species belonging to the Sect. Acuminatae (1818) allied to the Venezuelan P. aurea Ldl. but smaller in all its parts & the lip with a distinct median nerve in addition to the lateral pair.

Stelis sp. (1797 a) — Stelis sp. (1797 b)

Stelis macrantha Rolfe n. sp. – Stems stout 6–8 in. lg. Leaves obl. or elliptical obl. or minutely bidentate, petiolate, about 6 in. lg. 1–1.5 in. br. petioles 1–1.5 in. lg. Flowering sheaths obl. apiculate. 0.75 lin. lg. usually producing 2 racemes, raceme 7–12 in. lg. ∞ flowered. bracts broadly ovate-triangular acute 3–5 lin. lg. pedicels 2 lin. lg. Sep. very unequal, dorsal ovate-obl. obtuse 4 lin. lg., lateral ones united to near the apex into a broadly ovate concave body shorter & much broader than the dorsal sepal, shortly bifid at the apex. Pet. short 1 lin. br. rounded at the apex. Lip smaller than the pet, truncate apiculate at each angel. Column br. slightly longer than the petals. (1816 a p.p.) Mixed with Pl. trialata in both the Columbian & Kew coll. This species belongs to the sect. Dialissa & is allied to the Peruvian S. acutissima Ldl. though the flow. are considerably larger.

Stelis boliviensis Rolfe. n. sp. – Stems slender 2.5–4 in. lg. leav. obl. lanceol. subacute, distinctly petiolate 2.5–3 in. lg. 7–10 lin. br. petioles 0.5–0.75 in. lg. Flowering sheaths obl. apiculate 4–5 lin. lg. producing 2 racemes or sometimes only 1. Racemes slender 3–4.5 in. lg. ∞-flowered. bracts broadly triangular & apiculate from a funnel-shaped base 1 lin lg. pedicels 1 lin. lg. Sep. subequal broadly elliptical subobtuse 1.25 lin. lg. glabrous. Pet. reniformly orbicular 1/3 as lg. as the sep. Lip broadly ovate subapiculate concave, channeled along the centre & with a pair of lateral tubercles near the base. Column very br. about as lg. as the lip & petals. (1817) 451.

This species must technically been placed in Lindley's too artificial sect. Polystachyae in which it seems most allied to the Peruvian S. mononeura Lindl. but the lip is not so distinctly 3-lobed than in that species. The spec. of this genus are for the most part extremely difficult to distinguish in a dried state on account of their minute flowers.

Stelis scandens Rolfe. n. sp. – Rhizome climbing stoutish, internodes about 1 in lg. Stems stoutish. about 3 in. lg. leaves elliptical obl. minutely bidentate, distinctly petiolate, 2–3 in. lg. 9–12 lin. br. petioles 8–10 lin. lg. Flowering sheaths ovate-obl. apiculate, 3–4 lin. lg. producing 2, 3 or sometimes only 1 raceme. Rac. 2–4 in. lg. ∞-flowered; bracts ovate-triangular acute 1.5–2 lin. lg. from a shortly funnel-shaped base, slightly imbricating. pedicels 1 lin. lg. Sep. broadly ovate, subobtuse 1.5–1.75 lin. lg. glabrous. Pet. nearly truncate about 1/4 lg. as the sep. 0.75 lin br. Lip broadly triangular-ovate subapiculate, very fleshy, transversally carinate about the middle. Col. broad as long as the petals. (1817 A)

Technically belongs to the sect. Polystachyae & may be placed next to the Venezuelan S. grandis Rchb. but is smaller in all its parts, besides having a more scandent habit.

Stelis Brittoniana Rolfe. Mem. Torrey Cl. 4, 261 (2563)

Epidendrum scabrum R. et P. Reichb. f. in Walp. Ann. VI, (1861) 408.
" rigidum Jacq. Reichb. f. in Walp. Ann. VI, (1861) 400.
" brachycladium Ldl. Reichb. f. in Walp. Ann. VI, (1861) 379.
" Friderici-Guglielmi Warsc. Reichb. f. in Walp. Ann. VI, (1861) 365.

<u>Epidendrum Bangii</u> Rolfe n. sp. – Stems stout. 1 ft or more high (base not seen). Leav. obl.-lanceol. subobtuse 3.5–5 in. lg. 9–12 lin. br., sheaths sulcate & strongly rugose. Racem. 4–6 in. lg. several- to co-flowered. bracts spreading ovate or lanceol.-ovate acute or acuminate 6–10 lin. lg. pedicels 4–5 lin. lg. Dorsal sep. obl.-lanceol. acute 6–7 lin. lg. lateral pair broader & somewhat obliq. acuminate. Pet. lin. acute 5 lin. lg. Lip with its base adnate to the column. limb free, entire, fleshy, strongly cordate, partially conduplicate with the apex acuminate & slightly recurved 5 lin. lg. Column stout 3 lin. lg. with the wings broadly rounded & connected behind the anther by a thickened margin. (1963)

452. This species falls under the sect. Euepidendrum Planifolia spathacea in Lindl's artificial arrangement & may be placed next the New Granadan E. macrostachyum Ldl. which differs among other characters in its longer racemes & smaller flowers with obtuse sep. & lip.

Oncidium globuliferum HBK. Reichb. f. in Walp. Ann. VI, (1861) 742. Monogr. 167. Coroico (2446)

Oncidium boliviense Rolfe cf. Monogr. 281. – Coripata. Yungas

Octomeria boliviensis Rolfe n. sp. — Stem stoutish 4-8 in high, clothed with 3-5 loose tubular sheaths acute to the apex. Leav. lanceol. or obl.-lanceol. obtuse or shortly bidentate 3.5-4 in. lg. 4-9 lin. br. attenuate at the base into a short petiole, bracts lanceol.-obl. acute striate 4-5 lin. lg. flowers several in a fascicle pedicels 3-4 lin. lg. Sep. lanceol.-obl. acute 6 lin. lg. Pet. similar but slightly narrower. Lip elliptical-obl. 3-5 lin. lg. panduratSely 3-lobed, front-lobe rhomboid, truncate crenulate, nearly 2 lin. br. side-lobes small & rounded, disc with 2 sigmoid keels opposite to the isthmus. Column arcuate 1 lin. lg. (2185)
Allied to the Brazilian O. grandiflora Ldl. but the leav. shorter & the lip much less deeply trilobed, with the side lobes smaller & the front lobe not bifid at the apex. 453

Zygopetalum intermedium peruvianum Rolfe Lindenia IX. 71.

Galeandra lagoensis Rchb. Otia 88.

Neodryas Mandonii Rchb. Xen. Orch. III, 21.

" rhodoneura Rchb. Reichb. f. in Walp. Ann. VI, (1861) 678 (2911)

Cochlioda Noezliana Rolfe, Lindenia VI, 55 t. 266 (1801)

Epistephium amplexicaule (R. & P.) P. & E. Nov. Gen. I, 52 t. 91 (2908)

Scaphyglottis sp. (2287)

Lockhartia in fruit (2286)

Gyrostachys sp. - Coroico, Yungas (2429a)

Masdevallia. Coroico (2494 u. 2424)

" scandens Rolfe v. Monogr. 169. (1797)

Sobralia D'Orbingnyana Rchb. Kew. Orch. III 179 (2290)
454 " dichotoma R. & P. (2266)
Maxillaria grandiflora Ldl. Reichb. f. in Walp. Ann. VI, (1861) 516 (—)
? Habenaria Gourlieana Gill. (2268)
" sp. Corrico, Yungar (2440)
Liparis neuroglossa Rchb. f. Kew III 26 (1787)
Liparis Kuntzei Rolfe. sp. nov. — Rhizomes creeping elongated & moderately stout. Leav. 1 or 3, broadly ovate suboblong membranous 2.5–3 in. lg. 2–2.5 in. br. petioles 1.5–2.5 in. lg. broad & sheathing at the base, Scapes 5–8 in. high racemes 1.5–4 in. lg, bracts triangular — lanceol. acute 3–5 lin. lg. pedicels 6 lin. lg. Flow. large. Sep. lin. obtuse 5 lin. lg. Petals narrower than the sep. & rather shorter. Lip obovate, minutely crenulate, slightly retuse at the apex with numerous radiating nerves & a pair of minute teeth at the base. 6 lin. lg. & 5 lin. br. Column curved 1.5 lin. lg. Capsule ellipsoid 6–7 lin. lg. with a pedicel about of its own length. (2565)
A very distinct spec. with the general habit of L. neuroglossa Rchb. but about twice larger ~~in~~ all its parts The colour of the flower is not recorded but in the dried state the lip is distinctly tinged with pink, rather darker on the nerves, while the sep. & pet. appear to have been pale whitish green.

Odontoglossum rigidum Ldl. Reichb. f. in Walp. Ann. VI, (1861) 830 (1946)
" chiriquense Rchb. Reichb. f. in Walp. Ann. VI, (1861) 847 —
" coronarium Ldl. Reichb. f. in Walp. Ann. VI, (1861) 846 (1960)

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Contribut. Orchidology of Papua & N. Guinea by R. S. Rogers –

Habenaria Turneri Rogers (Peristyloideae) Terrestris 254.

c. 54 cm alta. Fol. 4 v. 5 basilaria v. subbasilaria, elliptico-lanceol. basi in petiolū brevē amplectantē sensī attenuata, acuta, conspicue 3-nervia, ad 18 cm lg. 3 cm lt. in bracteas amplectantes acuminatas decrescentes sensim transeuntia. Spica laxe multiflora c. 22.5 cm lga., bract. ovatae lanceol. 1–2 cm lgae. Flores parvinsculi. Sep. dors. erectū, cucullat. ovat. acut. c. 4,25 m̄ lgū. sep. later. obliq. ovata deflexa. subacut. conspicue 3-nerv. 4,25 m̄ lg. 3 m̄ lt. Pet. sub sep. dorsali abscondita, simplicia, erecta, anguste linearia, 1-nerv. obtusiss. 4,25 m̄ lg. ½ m̄ lt. Lab. breviter unguiculat. ungue convexo, paulo supra basin alte tripartit. c. 5.75 m̄ lg. partitiones laterales, ellipticae, 2-neviae, obtusiusculae, marginib. minutissime serrulat. 4,25 m̄ lgae. 1.6 m̄ ltae, divaricatae (explan.) inter apices 9 m̄ lt., partit. intermed. paulo brevior c. 4 m̄ lga. ¾ m̄ lt. lineari-elliptica, obtusiusc. 3-nervia, marginib. minutiss. serrulat. Calcar lin.-filiforme tortū. ovario multo brevius c. 1 cm lg. Gynostem. c. 2 m̄ lg. staminodiis ovalib. verrucos., canal. antherae mediocr. porrecti, caudiculis breviores. Process. stigmatif. mediocres carnosi obtusi depressi, canales antherae multo excedentes. Ovariū c. 1,7 cm lgum. — Papua. Rigo distr. (Turner)

Very closely related to Hab. Bauerleni F. v. M. et Kränzl. but differs in its much longer & wider leaf, in the shape of the labellū & in other details. – Ferner sehr nahe verwandt od. identisch (?) mit H. carolinensis Schl. von d. Carolinen [Collect. Vi..

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Oberonia oblonga Rogers n. sp. (Otoglossum). Epiphyt. dependens ad 24 cm alta. Radic. filif. elong. Caul. c. 7.5 cm lg. compressiusc. subgracilis, flexuos. basil. foliorū omnino obtectus. Fol. equit. basin vers. conduplicata, acuminata falc. submembranac. multinerv. summa longissima ad 15 cm lg. c. 5,5 m̄ lt. Infloresc. gracilis circ. 13 cm lga, foliis suprem. longior. bract. angustae lanceol. acuminatae c. 2 m̄ lgae, marginib. serrulat. ovario paulo longiores. Flor. minuti brūnei verticillati glabri, patentes c. 2,5 m̄ diam. Segmenta perianthii marginib. integra. Sep. dors. ovat. obtus. c. 1 m̄ lg. 6/10 m̄ lt., sep. later. sep. dorsali aequalia sed paulo [illegible] latiora. Pet. aequilonga, subtruncata c. 1/4 m̄ lg. lta. Lab. ambitu late oblg. c. 1 1/2 m̄ lg. 1 m̄ lt. basi cordato-auriculat. auricul. parvul. columnā amplectantib. prope mediū leviter constrictū, antice paulo latius, alte bilobulatū, lobul. oblg. truncat. subdivergentib., lamina punctionlosa, basi leviter concava, lineis 2 parallel. usq. mediū instructa. Col. crassiuscula perbrevis. Ovar. c. pedic. c. 1.75 m̄ lgum.

Papua. Owen Stanley range. betw. Adai & Naoo rivers. 6000' s. m. Very scarce. only 1 plant seen (C. F. Lane-Pool N: 414) Febr. Closely to Ob. biloba Schl. from Bismarck Mts. In the Papuan pl. the flowers are smaller, the lip relativ narrower, the infloresc. not dense.

Epiblastus tuberculatus Rogers n. sp. — Pseudobulbi 256
ad 9 cm lgi, subteretes v. compressi, sulcati, basin vers. paulo dilatati, superpositi, apice 1-foliati; vagin. magn. acut. omnino tecti. Fol. 1 terminale erectū, glabr. lin.-lanceol. subacut. multinerviū, costa intermedia subt. carinata, apice inaequale 2dentat. basin vers. conduplicat. 30–47,5 cm lg. 2–2.5 cm lt. Inflorescentiae terminal. fascicul. 15–24-florae, pedunc. gracill. 1-flor., 1-seriat. 12–14 cm lgis, bract. floris subulata c. 3 m̄ lga, ovariū c. pedicello gracill. glabr. tuberculat. c. 1.5–2 cm lg. Flor. badii subquadrati ill. Eriae similes, tubercul. mult. resinos. obtecti, glabri, c. 8 m̄ lgi, 6 m̄ lti. Sep. dors. ovali-oblg. obtusior. 5-nerv. erectū 7 m̄ lg 3 m̄ lt. Sep. later. oblig. 3angula, 5-nerv. subacuta, erecta, marginib. anticis liberis, c. 8.5 m̄ lga, basi pedi col. adnata, mentū breve obtus. formantia. Pet. ellipt. subacuta, erecta, 5-nerv. c. 6 m̄ lga 2.75 m̄ lt. Lab. unguiculat. antherā bene excedens. quā sep. brevinocatū, erecto-recurvū, plurinerv. c. 9 m̄ lg. 7 m̄ lt. quasi 3lobū, unguis oblg. carnos. c. 2.5 m̄ lg., pedi col. adnatus, lobi later. obtuse 3anguli, marginib. integri, columnā amplectentes. lob. intermed. recurv. longio et multo angustior, marginib. crenulat., lamina expansa trapezoidea, flexu inter lobos lateral. callo transverso magno ornato carnosinosalo. Col. c. 3.5 m̄ lga, clinandriū profunde excavat. lob. lateralib. lat. obt., lobo dorsali angustiore et paulo longiore, pollin. 8, stigma maximū, profunde concavū, per col. circ. 3 m̄ lgus, in medio crista longitudinali anguste triangulari, basi columnae et ungui labelli adnata.

Papua. Hamlet of Laruni. Owen Stanley range 4000' s. m. (Lane-Poole N. 373) Febr.

steht E. cuneatus J.J. Sm. nahe, unterscheidet sich aber floril. tuberculat. ad 6. hier sind sie zahlreich. Man kennt jetzt 2 sp. (Sm.) 8 (Schl. von D. N. G.) 1 von Celebes, 2 von Samoa, mit dieser hier 14 Sp.

257 Ceratostylis calceiformis Rogers n. sp. — Epiph. caespitosa erecta, Rhizoma perbreve, radic. hirsutiss. caul. teretes gracill. glabri, sulcati 20–30 cm lgi, basi vagin. plurib. lanceol. membran. obtecti. Fol. 1 terminale, erectū, c. caule continuū, sulcatū teres, acutū, glabrū, 10–15 cm lgū. Flos 1(?) terminalis minut. albus c. 7 m̄ lg. vagin. plurim. cinctus. bract. parvulae, truncatae breves, hyalinae prope basin ovarii. Sep. dors. erectū, elliptic. v. oblg. elliptic. subacut. 3nerv. fere 3 m̄ lg. 1 m̄ lt., sep. later. subobt., parte libera falcata, deorsū longe oblg.-ligulata. c. pede elongato columnae oblig. decurrentia, marginib. antic. conspicue product. &, cōnata calc. lgū curvatū pilosū apice dilatat. c. 4,5 m̄ lg formantib. Pet. sepalo dorsali breviora angustiora, lanceol. acuta 1-nerv. c. 2 m̄ lg. ½ m̄ lt. Lab. breve unguiculat. erect. spathulat. glabrū 3-nerv. c. 6 m̄ lg., basi elongato-ligulat., apicē vers. dilatat. ovato calceiforme, incrassat. Col. brevis alte bipartita, cū brachiis ~~ovato calc.~~ ~~ff~~ rotundato-oblgis, dimidiū laminae labelli attingens. Ovar. c. pedicello ~~dense~~ pilosū, gracile, calcar multo excedens 6 m̄ lg. Papua: Owen Stanley range 8–10300' s. m. (Lane-Pool 361). Febr. Has affinity with C. clavata J.J. Sm., flow. smaller, lip glabrous spur not sigmoid.

258 Calanthe latissimifolia Rogers n. sp. (Calothyrsus)
Pl. robustissima, glabra, acaulis habitu C. veratrifol. R. Br. Fol. ovato

ol. lanceol. in petiolū send. angustata, lamina prominenti 9-nervia ad 75 cm lga c. 18 cm lt. petiol. c. 32 cm lg. scapus teres ad 120 cm alt. accum. subdense os flor. 22-33 cm lg. bract. laxae persistentes, ellip-tico-lanceol. 2.5-3 cm lgae, Segmenta floris refl. (?) v. patentia. sep. dors. ellipt. acū. 5-nerv. subacut. c. 2,3 cm lgū 9 m̄ lt. sep. later. ellipt. 7-nerv. subacuta quā sep. dors. paulo breviora. Pet. basi in petiolū (sic!) breve contracta, sep. dorsali aequilga. lamina ellipt. obtusiuscs. Lamina labelli 3fida segmenta perianthii paulo excedens, lob. intermed. alte 2fid. segmenta divergentia lineari falcata apice dilatata & obliq. truncata, lobi later. multo latiores latiusculi trapezoidei, basi verrucosa, cirrhis luteis seriat. apicib. simplicib. bifid. v. 3fid. instructa. Calcar gracill. sub filiforme, prope apicē genuflexū, circ. 5-8 cm lgū. Ovar. subcylindric. pedicello multo longius, gracillim. c. pedicello clavatū c. 8 cm longū.

.426 A)

Papua. Owen Stanley range betw. Mt. Obree & Keryi (Lane-Poole Very near C. Engleriana Kränzl. u. natürlich C. veratrifolia.

Calanthe flabelliformis Rogers n. sp. (Styloglossum) 259.

Epiphyt. acaulis. Fol. c. 4 glabra, anguste lanceol. acuminatiss. 52-65 cm lga, lamina 41-50 cm lga 1.75-2.5 cm lt. nerv. 3 validis et plurib. tenuib. basi in petiolū gracilē longiusc. canaliculat. send. attenuata. Scapi in speciminib. imperfecti, manifesti breves, c. 15-20 cm lgi, vaginae 2-2,5 cm lgae, subacutae amplectantes, bract. caducae majuscul. Flor. parvuli flavi 4-5 racemosi subpatuli, calcarati. pedicell. graciles, c. 9 m̄ lgus, ovariū longius, gracile. Segmenta peri-anthii subaequalia 10-11 m̄ lga, 3-nervia, elliptica v. ellipt.-lanceol. subacuta. Lab. alis totis columnae adnatū, calc. scrotiforme, 3-4 m̄ longū.

lab. 3-lobū, lob. intermed. flabelliform, marginib integr. 5-6 mm lgus, 3-5 mm ltus, lobi lateral. prope basin minutiss. angust. auriculati, lamina nervis 7 longitudinalib. inter lobos conferlissim. instructa. Col. semiteres erecta, labello adnata apice dilatata, c. 3 mm lga (antherā includens) auricul. brevib. anthera apice 2dentata, pollinia 8 cerea.

Papua. Owen Stanley range, betw. Adai & Naro Riv. 7-8000' s. m. (Lane-Poole 411). Epiphyte of the mossy forest.

2590-260.

Spathoglottis Lane-Poolei Rogers n. sp. – Erecta valida 130 cm alta (v. altior) Radic. filiform. Pseudob. ovoidei c. 2-2,5 cm diam. vagin. omnino absconditi. Fol. c. 4 erecta ad 130 cm lga lamina anguste elliptico-lanceol. acuminata, glabra, valide costnervia, circ. 85 cm lga. in medio 5.5 cm lata, in petiolū basi sensim angustata, petiol. gracil. canaliculat. ad 45 cm lgus; Scap. teres, glaber folia multo excedens, racem. pubesc. densus co flor. Flor. extus velutini c. 2,6 cm diam. segmenta perianthii patentia. Sep. dors. ellipt. concav. obtusiusc. 11-nerv. 1.5 cm lgū c. 7 mm lt. sep. later. ovato-obl. obtusiusc. 11-nerv. 1,5 cm lga, 7,75 mm lt. Pet. breve et late unguiculata, ovato-ellipt. quā sep. longiora et latiora. 1.7 cm lga 8.5 mm lt. 15-nervia. Lab. ad basin col. sessile, circ. 1.4 cm lg. 3-lob., lobi later. obl.-trapezoidales apicib. paulo dilatati & oblig. truncati, erecti, columnā amplectent, c. 7,4 8 mm lgi, 2 1/4 mm lt. inter apices (explan.) 1.5 cm ltū; lob. intermed. longe unguiculat. antice late obcordat. prope apicē c. 6 mm ltus, basi unguis v. isthmi callo magno carnoso glabro 2lobato, ultra mediū isthmi callo parvo conico pubescente praeditus, discus inter lobos later. 3-carinatus. Col. erecta

elongata, incurva c. 1.3cm lga alata apice vers. dilatata. Anth. ovato-cucullata, rostell. longe amplect. obt. 3angulati, pollin. 8 plano convexa, ovarii c. pedicello gracile pubesc. c. 2.7-3.7cm longu.
Papua. Owen Stanley range, at Eubi Lake 200'? s.m. betw. Mt Obree & Kagi (C.E. Lane-Poole 249)
Von Sp. plicata Bl. kaum zu unterscheiden 261.

Dendrobium caliculimentum Rogers n. sp. (Pedilonum)

Caules gracillimi, seriat., penduli, elongati 90-120cm lgi, ramosi, vagin. folior. obtecti, internodia ad 2.2cm lga, vaginae folior. tubulosae, truncatae, internodiis longiores. Fol. lanceol. rigida, subpatentia acutiss. ∞-nerv. 1-3.7cm lga 2½-4 m̄ lt. glabra apice vers. minute serrata, racemi breviss. terminales(?) v. subterminal. vulgo 4-6 flori flores rosei 1.5cm lgi, cornucopiodei. Sep. dors. erecta ovat. acutiss. 3-nerv. leviter concav. c. 5-6 m̄ lgu, 2.75 m̄ lt. Sep. later. obliq. obcuneata, parte libera acutior. sep. dorsale aequante c. pede elongato columnae decurrentia, marginib. antic. 1.5 m lgis basi connat. superne contiguis. c. pede gynostemii mentu obscuru curvatu c. 8 m̄ lgu, formantia. Pet. erecta anguste oblg, sepalo dorsali angustiora, acuta, 3-nerv. c. 5.5 m̄ lga, apice vers. minute serrata. Lab. erectu, gynostemiu multo superans, lamina ovali-lanceol. integra, 8 m̄ lga, 3.5 m̄ lt. 7-nervia, marginib. lateral. incurvulis, margine posteriore elevato crassimot. semilunato apice vers. minute serrata, unguis canaliculatus, c. 5 m̄ lgus 3 m̄ lt. 5-nerv., (marginibus) a basi laterib. pedis columnae adnatis, calyculum formantib. Col. breviss. c. 3-4 m̄ lga, ped gracill. 9-10 m̄ lg. Clinandr. profunde excavatu, lobis lateral. lat. obt. leviter emarginat. dorsali longiore lin. Ovar. c. pedicello 7 m̄ lgo, mentu c. 1.4cm lg. excedens.

Papua. Owen Stanley range, trail betw. Kakoda & the Gap 6000' s. m. (C. E. Lane Poole 265). – August.
Stems 3-4' lg, pendent, flowers ornamental, dark rose at the base pale rose at tips.
The spec. approach most nearly in flow. to D. dichaeoides Schl. & constrictum J. J. Sm.

262. Dendrob. delphinioides Rogers n. sp. (Calyptrochilum)
Epiph. Caules gracil. teret. elongati, simplices, costati, vagin. folior. tecti, ad 30 lgi., internodia c. 1,5 cm lga. Fol. basib. semitort. ovato-lanceol. v. obl. lanceol. os-nervia c. 4-6,5 cm lga. 4,5-2 cm lt. glabra, tenuia, papyrac., vaginae folior. tubulos. truncatae quā internod. longiores, nerv. prominentib. semipellucidae, racem. breviss. pauciflori, bract. angustiss. ovato-lanc. acuminat. 5 mm lg. ovariū c. pedicello gracill. calcar excedens, flores rubri, majuscu-2.7-3.25 lgi 7 mm lti illis Delphinii similes. Sep. dors. ovatu obtus. erect. 5-nerv. 8 mm lg. 4 mm lt. Sep. later. obliq. obl.-cuneata, c. pede elongato columnae decurrentia, marginib. antic. inferius connata, superne contiguis, mentū acut. curvatū anguste conicū 2 cm lgū formantia. Pet. parva, erect., obl. subacuta, 3-nervia 7,5 mm lga, 2.5 mm lt. quā sep. dors. breviora. Lab. simplex erectū obovato-cochleare, c. 1,8 cm lgū, basi columnae non attingens marginib. pedi col. adnatis, calcar in vaginatū intra sep. formantib. margine apicali cucullato-infracto, convexo, pectinato-dentato. c. 8.5 mm lto, lamina 7-nerv. prope basin lamella transversa. Col. brevis carnosissī. c. 4 mm lga, clinandrii lob. lateral. integr. obt. late falcat. erectis, lob. dorsal. subulat. dentiformis incurvulus, poll. 4 inaequalia, ovar. c. pedicello gracillim. 2.7-3 cm lgum.

Papua. Owen Stanley range, near Lavumi 5000' s.m. (Lane Poole 394)
Flow. very similar to those of D. cuculliferum J.J. Sm. but stems simplex in former & branched in the latter.
[Namen als Merkmal zu bewerten.] 263.

Dendrob. Lane-Poolei Rogers n. sp. (Calyptrochilum)

Caules gracil. elongati ramosi, costati, vagin. folior. obtecti, 30 cm lgi v. longiores, internod. 1-2 cm lga, vaginae folior. tubulosae, quã internodia paulo longiores, truncatae, punctate papilliferae. Fol. lanceol. acuta, glabra rigidiuscu. papyracea, os nervia apice serrata minute c. 2½-5 cm lga, 5-6 m̃ lt., racemi lateral. breviss. vulgo 5-6-flori, bract. c. 7-8 m̃ lgae 4 m̃ lt. ovatae, acuminat. Flor. lutei, cornucopioidales 2-2,3 cm lgi. Sep. dors. erect. ovat. obtusũ 8-9 m̃ lgũ, 5,5 m̃ lt. 5-nervũ. Sep. later. obliq. obcuneata c. pede elongato columnae decurrentia, marginib. antic. 1,6-1,7 cm lgis, basi connat. superne contiguis. c. pede gynostemii mentũ latiusc. obt. curval. 1,2 cm lgũ formantia, parte libera obtusa antherã superante (???)
Pet. erecta obl.-ovalia, obt. 3-nervia, 7-8 m̃ lga c 3 m̃ lt. Lab. simplex obcuneato-calyptratũ, erectũ, plantũ, basin col. paulo superans: 1.3 cm lg. inexpansũ, margine apicali calyptrato-infractũ, convexũ, lacerato-pectinatũ, marginib. lateralib. inferne c. per 9 m̃ pedi columnae adnatũ, calcar conicũ invaginatũ intra sep. formantib. Col. brevis, c. 3-5 m̃ lga, clinandr. profunde excavat. lob. lateralib. triangulariscul., apice obtuse emarginatũ, lobo dorsali multo longiore, subulato incurvo, anthera reniform. dorso compressa, ovar. c. pedicello c. 2 cm lgũ, calcar multo excedens.

Papua. Owen Stanley range, betw. Adai & Naro. 6-7000' s.m. (Lane-Poole 406)
Flow. orange-yellow, common Orchid in mossy forests. - Very close to D. infractum J.J. Sm., flow. smaller in size & differ in colour.

18.

264. Dendrob. bilamellatum Rogers n. sp. (Oxyglossum)

Caules incompleti, c. 15 cm? lgi, gracil. elongati, vagin. folior. fere obtecti, internod. 2.3 cm lga, vaginae folior. tubulosae, truncatae, striatae, internodiis paulo breviores. Fol. elliptico-lanceol. co nervia, subrigida, crassiuscul. c. 2,5-7 cm lga, 1-1,5 cm lt., racemi breviss. pauciflori (semper?) bract. ovato-lanceol. acumin. c. 5-7 mm lgae. flores in sectione inter minores. c. 2,8 cm lgi. Sep. dors. ovat. erect. subacut. 5-nervium, 1 cm lg. 4,5 mm lt., sep. later. obliq. triangula c. pede elongato columnae decurrentia, marginib. anticis 2,6 cm lga in parte libera profunde bilamellata, basi connata, superne contigua, cum dimidio inferiore labelli connata, c. pede columnae mentum angustiusculum, conicum, acut. curvatum c. 1,6 cm lgum apice bifidum formantia. Pet. erecta, ellipt.-lanceol. acutiusc. 3-nervia, apice minute serrulata, c. 9 mm lga 3,5 mm lt. Lab. erectum, basi ligulatum, sursum sensim dilatatum, deinde ad apicem acutum recurvum abrupte contractum 2,35 cm lgum, marginib. lateralib. dimidio inferiore c. pede col. et sep. lateral. connata lamina obcuneata, margine apicali minute serrulata, obscure 3-lobata, 7-nervia, superne 4,75 mm lta Col. brevis clinandr. profunde excavatum, lob. lateral. semiquadrat. minute denticulat., lobo dorsali multo longiore subulato incurvo, anthera ovato-quadrata, antice minute serrata, ovar. c. pedicello gracili c. 2,4 cm lgum, late 3alatum.

Papua. Owen Stanley range, betw. Adai & Naro 7800' s. m. (C. E. Lane Poole 408) - Flow. dark mauve, lab. with orange tip. In the dried plant, the „lamella" appears to lie in the same plane & in close apposition with the surface of the later. sep. so as to form a double fold. Whether it occupies the same position in the living plant or one perhaps at ~~t~~ right angles to the surface of the sep. is impossible to decide. It is noteworthy however that J. J. Sm. in the description of his species D. discrepans (of the same section) refers to the later. sepals as „carinate." 265.

Dipodium elatum J. J. Sm.

Papua. Rigo district. Probably J. J. Sm's species, more slender ad 70 cm high & basal sheaths few in number (about 6-7) It is very near to D. punctatum R.Br. (Rev. R. Lister Turner)

Phalaenopsis amabilis Bl. var. papuana Schl. in Orch. Deutsch N. Guinea 968 (1914)

Mandated territory of N. Guinea. (C. E. Lane-Poole 807) Epiphyte on Pometia. Flow. white 3½ inch. in diameter. Schl's variety differs from the type, in that the large bilobed callus near the base of the lab. is wider & not so high in the variety & the gland of the pollinarium is larger & cordate-incised.

	Seite
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N. York bot. Gard. Bull. IV (1907) - Orchids from Bolivia coll. by Mig. Bang. descr. by Rolfe.

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